

ABSTRACT

A frequency control unit derives a frequency corresponding to each FID from frequency information sent from a host sequence and sends the frequency information to a register conversion unit, the register conversion unit converts the frequency information sent from the frequency control unit into a register value and sends the register value to a three wire serial signal generation unit, the three wire serial signal generation unit simultaneously sends out the same data with the register value as a three wire serial signal of data, clock and strobe to a radio transmitter and receiver unit, and the radio transmitter and receiver unit controls ON/OFF by its own circuit in response to the three wire serial signal and transmits and receives radio waves of a set frequency through an antenna.